

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT**

Docket Number:
13533/48203

International Application Number
PCT/US04/042504

International Filing Date
December 17, 2004

Examiner
To be assigned

Art Unit
To be assigned

Invention Title
DELIVERY OF DNA OR RNA VIA GAP
JUNCTIONS FROM HOST CELLS TO TARGET
CELLS AND A CELL-BASED DELIVERY
SYSTEM FOR ANTISENSE OR siRNA

Inventor(s)
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1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicant hereby brings the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of the patents listed on the modified PTO form 1449 are enclosed, unless otherwise indicated.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: June 19, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANTS PTO FORM 1449	ATTY. DOCKET NO. 13533/48203	SERIAL NO. To be assigned
	APPLICANT(s) Peter R. Brink et al.	
	FILING DATE: June 19, 2006	GROUP To be assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		*Frendo et al., "Involvement of connexin 43 in human trophoblast cell fusion and differentiation, Journal of Cell Science", 2003 Vol. 116:3413-3421, see abstract, table 1, pg. 3415, first col., and fig. 4.
		*Peracchia et al., "Is the Voltage Gate of Connexins CO2-sensitivity? Cx45 Channels and inhibition of Calmodulin Expression, Journal of Membrane Biology", 2003 Vol. 195:53-62, see abstract, pg. 2045, first col., and fig 3.
		*Li et al., "Inhibiting Gap Junctional Intercellular Communication Alters Expression of Differentiation markers in Osteoblastic Cells", Bone, 1999 Vol. 23, pgs. 661-666, see fig. 1.
		*Valiunas et al., "Gap junction channels formed by coexpressed connexin40 and connexin 43", am. J. physiol. Heart Circ. Physiol, 2001 Vol. 281; H1675-H1689, see abstract, pg. H1677, first col., and table 1, and fig. 6
		*Reed et al., "Molecular Cloning and Functional Expression of human Connexin37, and Endothelial Cell Gap junction Protein", Journal of Clinical Investigation, 1993 Vol. 91, pgs. 997-1004, see abstract and fig. 8.
		*Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells", Nature, 2001 vol. 411, pgs. 494-498, see entire article.

* Copy of article not enclosed (copy provided by the Int'l. Searching Authority).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	